DESCRIPTION OF CHANGES (CONCLUDED)

CELL CULTURE MODULE CONFIGURATION A

CHANGE NO.	DESCRIPTION/AUTHORITY	DATE	PAGES AFFECTED
REV B	General revision/P21187-006	11/18/93	All
1	Update table of contents, sections 2.1.1, 4.1, 5.2, 5.6, 7.1, 7.2, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 13.0 and 16.0, and fig 13-1/P21187-007;-008	01/31/94	vii,2,10,13, 15,18,25,26, 27,28,30,33, 34,35
2	Update sections 4.2.2, 8.6, 9.1, 9.4.1, 13.0, and figure 13-1/P21187-009;-010	03/17/94	12,21,22,23, 24,30,31,34, 35
3	Update table of contents, add new section 4.2.3 and renumber remaining section/P21187-011	08/08/94	v,12,12A
4	Update sections 9.4.1 and 13.0, and figure 13-1/P21187-012	10/24/94	24,31,35
5	Update sections 4.2.2 and 4.2.2.3/P21187-013	12/05/94	11,12
6	Update sections 4.2.2.3, 7.1, 12.0, and 13.0 and figure 13-1/P21187-014	02/03/95	12,18,29,30, 35
REV C	General revision/P21187-0015	11/17/95	All
REV D	General revision/P21187-0016	05/30/96	All
1	Update section 12.0/P21187-0017	09/13/96	26
2	Update section 9.4.1/P21187-0018	11/15/96	22

Note: Dates reflect latest signature date of CR's received by PILS.

Changes are indicated by "****" at the beginning of the paragraph.

**** 9.4.1 Nominal Landing Processing.- After landing at the primary or first alternate End of Mission (EOM) landing site, the payload will be removed from the Orbiter prior to Orbiter tow but no later than landing plus 3 hr. As soon as possible following removal from the Orbiter, the payload will be placed in a KSC-provided vehicle and connected to GSE power. During landing processing, the payload can sustain power losses for up to 15 min. The payload will be transported directly to a landing site laboratory, as detailed in annex 8. In the event of an Early End of Mission (EEOM), the payload requires early destow support beginning at a Mission Elapsed Time (MET) of launch plus 2 days at KSC. At the first alternate landing site, EEOM support will be provided only on a best effort basis by the SSP.

Agreed-upon services to be performed at the primary and first alternate landing sites for this payload are as follows:

a. Early payload removal from the Orbiter

b. KSC-provided vehicle to immediately transport the payload from the Orbiter to the landing site laboratory facility for immediate specimen analysis (needed only if the standard payload transportation vehicle was being shared with other middeck payloads)

c. Landing site laboratory facility and support service

d. GSE battery systems (28 ± 4 V dc)

**** e. EEOM support beginning at launch plus 2 days for KSC landing. SSP best efforts for EEOM support at first alternate landing site.

f. Near-continuous power (15 min maximum interrupt)

9.4.2 Intact Abort Processing.- If an aborted flight lands at the primary or first alternate EOM landing site, the payloads will be removed and dispositioned in a manner similar to that described in the previous sections. Support prior to L+48 hr and for all other landing sites and contingencies will be on a best-effort basis by the SSP.

If an aborted flight lands at a CONUS site other than the primary or first alternate EOM landing site, the payload will be removed from the Orbiter middeck by the SSP and turned over to the customer at the landing site. For all non-CONUS abort landing

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